

IE - 131/63
3 July 1963

MEMORANDUM TO: Chief, Military-Economic Division, ORR

ATTENTION :

FROM : Chief, CIA/PIC (RMW)

SUBJECT : Wu-kung Aircraft Engine Plant

REFERENCE : Requirement No. C-FB3-80,313
Project No. C 895/63

Declass Review by NGA.

1. This memorandum is in answer to referenced requirement concerning Wu-kung Aircraft Engine Plant.

2. This study has been conducted on a comparison basis utilizing photography contained on [redacted]

[redacted] The following paragraphs contain a description of the Engine Plant's facilities and the level of activity within the plant area. The photo enlargements Enclosures #1 and #2 have corresponding annotation numbers and one key to annotations is furnished for these enclosures.

3. Wu-kung Aircraft Engine Plant and Wu-kung Airfield is located west of Sian, China on the north side of the Wei-ho River, approximately 9.2 km ESE of Wu-kung Town Center at coordinates, 34° 10' 40" N/108° 17' 00"E. The Engine Plant is served by roads and a network of rail spur. The area of the Engine Plant and Airfield has been divided into four annelations for reporting convenience, (See Enclosures). These areas are located at Annotations A, B, C and D. The Aircraft Engine Plant is located at Annotation B. This outlined area may or may not constitute the future limits of this plant. The photography on [redacted]

[redacted] (Enclosure #1) shows this plant to be in a relatively early stage of construction. Enclosure #2, [redacted] shows a notable increase in construction activity, although only a few new buildings have been erected, new building sites have been cleared and additional construction materials made available. Enclosure #1, [redacted] shows the Engine Plant containing an estimated 546,975 square feet of floor space within permanent type buildings. Enclosure #2 shows the addition of about new buildings containing a total estimated floor space of 1,3,320 square feet. The present total estimated floor space is 731,305 square feet. A future estimate of the size of this plant cannot be determined from present photography, however there is ample space for further construction and expansion. The location of the Aircraft Engine Plant adjacent to Wu-kung Airfield (Annotation A) may indicate the construction of an Airframe Plant in the near future. The lack of progress in construction of this plant is contributed to its location, which is in a sparsely settled area except for farming communities. This could account for the expansion of the workers housing and administration area (Annotation D) since [redacted]. Additions in this area includes 23 new apartment and service buildings. The Engine Plant's test facilities are located within the

[redacted] [redacted] [redacted] [redacted]

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building at Annotation #1. Enclosure #1 [redacted] shows the footings and foundations have been laid for this building. Enclosure #2 [redacted] shows this building to be approximately 90 percent complete. This is a multi-winged building, with a base wing measuring approximately 300' x 55'. There are four projecting wings under construction, two are 75' wide and will contain double test bays, one is [redacted] wide and will contain a single test bay and one is 80' wide and will contain a single test bay with an additional servicing area. The four projecting wings are served by individual exhaust towers approximately 45 feet above ground level.

The Wu-kung Airfield is located at Annotation A. The Airfield has an East/West concrete runway approximately 9000' x 200'. The runway is served by a parallel taxi-way, hardstands, parking and assembly aprons. Two rail served storage areas are located adjacent to the airfield. A gunnery test revetment is located at the east end of the parallel taxi-way. Aircraft observed at the Airfield on Enclosures #1 and #2 include, Fudgers, Bulls and single engine Moose/Max type Aircraft. New construction at the airfield since [redacted] includes, additional navigation aids at the east end of the runway and the continued construction of a North/South taxi-way to intersect the center of the runway. The outlined area at Annotation C is associated with the Airfield and is identified as an Air Force Headquarters and Barracks Area.

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KEY TO ANNOTATIONS:

- Area A - Wu-kung Airfield
- Area B - Wu-kung Aircraft Engine Plant
- Area C - Air Force Headquarters and Barracks
- Area D - Workers Housing and Administration

- *1. Engine Test Building - 46,085 square feet
- *2. Underground PCL Reservoir, Control and Pumping Station Under Construction
- *3. Unidentified Building - 5,600 square feet
- 4. Workshop - 18,275 square feet
- *5. Workshop - 24,500 square feet
- **6. Power Plant - 10,850 square feet
- 7. Workshop - 28,800 square feet
- 6. Building site
- 9. Construction Equipment and Temporary Buildings
- *10. Workshop - 37,050 square feet
- 11. Machine Shop/Workshop - 74,125 square feet
- *12. Warehouse - 19,550 square feet
- *13. Possible Foundry - 9,755 square feet
- 14. Building Site
- 15. Workshop - 44,200 square feet
- **16. Machine Shop/Workshop - 90,000 square feet
- **17. Machine Shops/Sub-Assembly - 150,000 square feet
- 18. Machine Shops/Sub-Assembly - will contain 75,000 square feet
- *19. Administration Building - 37,100 square feet
- 20. Storage Building - 7,875 square feet

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21. Storage Building - 5,750 square feet
22. Administration Building - 37,100 square feet
23. Building Site
24. Building Site
25. Construction Material Storage
26. Temporary Construction Buildings
27. Temporary Construction Buildings
28. Temporary Construction Buildings
29. Storage Building - 5,000 square feet
30. Farming Community Being Cleared
- *31. Unidentified Building - 3,150 square feet
32. Building Site

*Denotes buildings added since [redacted]

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**Denotes buildings completed since [redacted]

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4. The photo analyst on this project is [redacted], who
may be contacted on extension [redacted] should you have further questions regarding
this project.

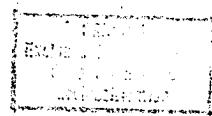
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ENCLOSURES:

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